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iM		2,243,541	5-27-1941	R.H.S	wart				
		2,352,581	6-27-1944	J. F. W	inkler				
		2,646,212	7-21-1953	E. P. K	ellie				
		2,663,164	12-22-1953	L. M. K	Curtz				
		2,938,361	5-31-1960	R. D. M	lcNatt				
		3,074,249	1-22-1963	R. M. F	lenderson				
		3,226,949	1-4-1966	E. A. G	amache				
		3,377,816	4-16-1968	Isaac B	erger				
		3,500,962	3-17-1970	E. J. Kocher					
		3,719,057	3-6-1973	Grant					
M		3,775,995	12-4-1973	Conley	, et al.				
V	<u> </u>			FOREIG	N PATENT DOCUMENTS				
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EXAMPLE INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DÁT IF APPROPI	
My	3,785,169	1-15-1974	Gylland	l, Jr.	17			
1	3,852,974	12-10-1974	Brown					
	3,859,815	1-14-1975	Kasaha	ra				
	4,197,719 /	4-15-1980	Shaw					
	4,205,537	6-3-1980	Dubber	ley				
	4,236,876	12-2-1980	Fraser,	et al.				
	4,268,291	5-19-1981	Cann					
	4,306,420	12-22-1981	Cann			/_		
	4,332,144	6-1-1982	Shaw					
	4,594,858	6-17-1986	Shaw		<u> </u>			
M	4,748,820	6-7-1988	Shaw		1			
		FORE	IGN PATE	NT DOCUMENTS				
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INITIAL TAADE	DOCUMENT NUMBER	DATE		NAME	CLAS	ss	SUBCLA	SS	IF APPROPR	
ms	4,753,083	6-28-1988	Sato					_		
	4,787,211	11-29-1988	Shaw							
	4,833,893	5-30-1989	Morita							
	4,947,655 /	8-14-1990	Shaw							
	5,062,274	11-5-1991	Shaw							
	5,094,085	3-10-1992	Irino							
	5,095,712	3-17-1992	Narrea	u					-	
	5,123,254	6-23-1992	Inoue,	et al.						
	5,191,776	3-9-1993	Severa	nce, et al.						
	5,220,806	6-22-1993	Jaster, et al.							
M	5,236,311		Lindstr	om						
		FORE	EIGN PATE	ENT DOCUMENTS						
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE	E	
m	5,303,561	4-19-1994	Bahel,	et al.	/				
	5,410,889	5-2-1995	Sjoholn	n, et al.					
	5,626,027	5-6-1997	Dormei	r, et al.					
	5,657,637	8-19-1997	Merten	s					
	5,839,886	11-24-1998	Shaw						
	5,894,739	4-20-1999	Temos						
	5,927,088	7-27-1999	Shaw						
M	6,276,148 B1	8-21-2001	Shaw						
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M	0 106 414	4-25-1984	EUROI	PE ·					
	0 715 077 A2	6-5-1996	EUROI	PE					
	6-213170	8-2-1994	JAPAN			-			
W	WO 97/32168	9-4-1997	PCT						
	OTHER DOCUM	•	•	r, Title, Date, Pertine					
mo	Second Edition - "API 1991 reissued by Wave	PLICATIONS OF eland Press, Inc.; l	THERM(Pgs. 218-22	DDYNAMICS"; Autho 22	or: Bernard D. V	vood; 1982 by l	sernard D. Wo	oa;	
A Technical Handbook from SWEP; "Compact Brazed Heat Exchangers For Refrigerant Applications"; 1993; 1 page plus cover and back sheets									
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		I. Cerepnalkovski; Elsevier Sci			47-48		
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	ANGINI BO LAIR ON	OTEMO A- F	". Author F	dward C. Dita	: Rusiness News		
"REFRIGERATION PR Publishing Company; 19!	INCIPLES AND SY 91; Pgs. 243-245	STEMS - An Engery Approach	i ; Author: E	uwaru G. I ita	, Business Items		
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MS		"Survey and Comparis	on of Interstage Cooli	ng Systems for Two-Stage Con	npression''; Da	ta Sheet , No. 2	20; May 1979; 3 Pgs.			
W		"Standard Refrigeratio Minich; McGraw-Hill,	n and Air Conditionii Inc.; 1983, 1973, 1961	ng Questions & Answers - Thin ; Pgs. 28-31, 50-53	rd Edition"; A	uthors: S. M. E	Elenka and Q.W.			
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INITIAL	AND	OTHER DOCUMENTS (Including Author, Tit				
		"Thermal Environmental Engineering - Second Ed 61-70	ition"; Author: James L. Threlkeld; I	Prentice-Hall, Inc.; 1970, 1962; Pgs.		
MQ		01-70				
		"Theory of Mechanical Refrigeration"; Author: N	.R. Sparks; McGraw-Hill Book Comp	any, Inc.; 1938; Pgs. 111-127		
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